

Research on the Use of IoT to Promote Children's Help-Seeking Behavior

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Summary:

This research aims to develop devices and operational systems for preventing and solving the problems of bullying and suicide among children, and to reduce the burden on teachers and improve work efficiency at school sites by working in parallel on (1) the development of IoT devices for early detection of requests for assistance and (2) the development of bullying and suicide prevention education programs.

In the development of (1) IoT devices for early detection of requests for assistance, location information was acquired by IoT devices with a function to send requests for assistance from children, and applications for children and administrators (teachers) were developed to be linked to the devices. In the development of an educational program for bullying and suicide prevention, we developed an educational program for children to learn "assistance-seeking behavior" using the IoT device and applications developed in (1) above. We presented the interim results of these R&D efforts in a poster presentation at an international conference on bullying issues.

The original plan to start the demonstration experiment in FY2023 was changed, and the experiment was postponed to FY2024. During FY2023, we used the preparation period for the construction of facilities and development of devices and applications.